



**Name** : Dr.Y.USHA RANI  
**Designation** : Assistant Professor  
**Department** : Information Technology  
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**Experience (in years):** Teaching : 14  
Research : 8 Others (If any, Specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2021	Computer Science & Engineering
2	M.Tech	2009	Software Engineering
3	B.Tech	2004	Information Technology

### 2. Teaching and Learning:

**21 Teaching Interests:** Machine Learning, Data Warehousing & Data Mining, Cloud Computing, Linux Programming, Software Project Management, Operating Systems, Object Oriented Programming through JAVA, Software Engineering.

**22 Novel Teaching & Learning Techniques adopted:** WIT&WILL, PPTs, Videos, Quiz, Problem-Solving and POGIL.

**23 Involvement in curriculum updating / Design:** IT Dept. NAAC Coordinator, Guest Lecture Coordinator.

### 3. Co-curricular and Extra-Curricular Activities:

- ECA Coordinator

**3.1. Interests and Hobbies:** Learn New Things, Listening to music.

#### 3.2. CCA/ECA Organized:

- Participated in Organizing a Techno-Fest, Convergence-2015
- 2015 Participated in Organizing a SLAST
- Organized various guest lecturers in the Department.

#### 3.3. CCA/ECA participated:

- Attended 3 day workshop on Design of POGIL activities for Outcome based education at VNRVJIET during 18<sup>th</sup> -20<sup>th</sup> December 2014
- Attended POGIL workshop at VNRVJIET
- Attended 2 days training program on microteaching at VNRVJIET

### 3.4. Counseling and Mentoring Activity:

- Mentor for students with enrolls 20E1-G0 , I yr IT
- Mentor for students with enrolls 1251-55 , IV yr IT
- Mentor for students with enrolls 1245-48 , III yr IT
- Mentor for students with enrolls 1245-48 , II yr IT
- Mentor for students with enrolls 1245-48 , I yr IT

### 3.5. Committees involved in:

#### Department level:

- U G Mini Projects In-Charge
- Knowledge Asset Coordinator
- Guest Lecture Coordinator

#### Institute Level:

- NAAC Coordinator
- Finishing School Coordinator
- EDC Coordinator

## 4. Conference / Workshop / Seminar / Guest Lectures:

### 41 Conducted: Session's organizer

- Conducted a guest lecture on “Product Development & Project Management”, IV-IT I Sem 120 on 6<sup>th</sup> Feb 2021 given by, Param Melarcode, Program and Project Management ,Professional, Toronto, Canada.
- Conducted a guest lecture on “Data Ingestion ETL Process” III IT I Sem 120 Students and 2 faculty members on 30<sup>th</sup> Jan 2021 given by, G.V Sesha Reddy, Technical officer, Cognizent, United States.
- Conducted a guest lecture on “Block Chain Technology”, III-IT I Sem 120 Students 2 faculty members on 26<sup>th</sup> sep 2020 given by, Ravi Kishore Koppuravuri, Principal Technical Officer, C-DAC, Hyderabad.
- Conducted a guest lecture on “Web Application Security”, III IT I Sem 180 Students and 2 Faculty Members on 30<sup>th</sup> Jan 2021 given by, Ravi Kishore Koppuravuri, Principal Technical Officer, C-DAC, Hyderabad.
- Conducted a guest lecture on “Software Engineering”, II-IT I Sem(60 in no.) on 26<sup>th</sup> Mar 2017 given by, Dr Gopi Chand , Professor, Vardhamana Engineering College, Hyderabad. Under TEQIP-II.
- Conducted a guest lecture on “Data Mining”, III-IT II Sem(60 in no.) on 7<sup>th</sup> feb 2016 given by Dr Venugopala Charry, Assistant Professor, JNTU, CBIT, Hyderabad. Under TEQIP-II.
- Conducted a guest lecture on “Linux Programming”, III-IT I Sem(61 in no.) on 28<sup>th</sup> Sep 2013 given by Mrs P.Reddy Lakshmi Eswari, Centre for Development of Advanced Computing (C-DAC), JNTU Campus, Kukatpally, Hyderabad. Under TEQIP-II.
- Conducted a guest lecture on “Linux Programming”, III-IT I Sem(61 in no.) on 28<sup>th</sup> Sep 2013 given by Mrs P.Reddy Lakshmi Eswari, Centre for Development of Advanced Computing (C-DAC), JNTU Campus, Kukatpally, Hyderabad Under TEQIP-II.
- Conducted a guest lecture on “Cloud Computing”, IV-IT I Sem(43 in no.) on 25<sup>st</sup> March 2014 given by Mr. Hari Babu Kasturi Project Manager, Persistent Systems, Hyd. Under TEQIP-II.
- One day workshop on Netsim Academic version by tetcos, Bangalore

#### 4.1 Attended:

- five day FDP on IPR & Patent Prosecution, 24th to 28th May 2021 Organized by Dept. of CSE, Maturi Venkata Subba Rao(MVSR) Engineering College, HYDERABAD
- Recent Advances in Mathematics & Statistics(IFDPRAMS-2020)3<sup>rd</sup> Aug 2020 to 8<sup>th</sup> Aug 2020 GITAM University, Visakhapatnam.
- Recent Trends in Cloud Computing & Security 3<sup>rd</sup> Aug 2020 to 8<sup>th</sup> Aug 2020 VNR VJIET, Hyderabad
- Applications of Data Science for Industries Problem Through Python 10<sup>th</sup> Aug 2020 to 28<sup>th</sup> Aug 2020 JNTUH, Kakinada
- Artificial Intelligence, 16-05-2020 To 20-05-2020 AICTE Training and Learning(ATAL) Academy
- Big Data Computing, 29<sup>th</sup> April-4<sup>th</sup> May 2019, NIT, Andhra Pradesh
- Remote Internship Program, 28<sup>th</sup> Dec 2016, To 21<sup>st</sup> April 2017
- Technical Communication, 8<sup>th</sup> Oct to 5<sup>th</sup> Dec 2015, Indian Institute of Technology, Bombay
- Network Security and Computer Forensics, to 30<sup>th</sup> April 4<sup>th</sup> May 2013 V.R Siddhartha Engineering College, Vijayawada
- Advanced Data Mining Techniques, 14<sup>th</sup> May to 26<sup>th</sup> May 2012, VNRVJIET, Hyderabad
- Recent Trends in Networking and Security, 13<sup>th</sup> June 2011 to 26<sup>th</sup> June 2011, VNRVJIET, Hyderabad
- Linux System Programming , 03-05-2010 to 14-05-2010 JNTUH(CDAC)
- Attended Two-Week ISTE STTP on “Technical Communication” organized by IIT Bombay, 8<sup>th</sup> Oct to 5<sup>th</sup> Dec 2015.
  - Attended Three Day Workshop on Big Data Analysis & Cloud Computing organized by VNRVJIET CSE Dept., Hyderabad, Sept 4th-6th 2014.
  - Attended One Day Seminar on Introduction to Cloud context & Cloud models and capabilities organized by VNRVJIET CSE Dept., Hyderabad, Sept 5th 2014.
- Attended Three Day Workshop on Data Sciences organized by VNRVJIET CSE & IT Dept. Hyderabad, Feb 26th 2014.

- Attended Three Day Workshop on Data Sciences organized by VNRVJIET CSE & IT Dept. Hyderabad, Feb 26th 2014.
- Attended 15 days faculty development programme on “Recent Trends in Cloud Computing & Security” conducted VNRVJIET from 03-06-2013 to 15-06-2013.
- Attended 3 days workshop on “Art of Teaching” conducted by VNRVJIET from 11-02- 2013 to 13-02-2013.
- Attended 5 days workshop on “Network Security and Computer Forensics” conducted by V.R Siddhartha Eng College From April 30<sup>th</sup>-may 4<sup>th</sup>,2013.
- Attended to faculty development programme on May 5<sup>th</sup> 2012 at MTP cell, VNRVJIET on “Service oriented architecture & cloud computing”
- Attended to AICTE Sponsored Staff development programme on “Advanced Data Mining Techniques” during 14-26<sup>th</sup> May 2012 at VNRVJIET.
- Attended a workshop on “Intro to POGIL” on 16<sup>th</sup> Feb’13 by H&S Dept., VNR VJIET
- Attended a two day workshop on “Security and Privacy Cloud Computing” under TEQIP” during 25<sup>th</sup>&26<sup>th</sup> March’13 by IT Dept., VNR VJIET, Hyd.
- A three days International Conference on Data Sciences in VNRVJIET, during the period 26<sup>th</sup> – 28<sup>th</sup> Feb 2014.
- Attended one day seminar on research Publications & documentation on 4<sup>th</sup> May 2013 at VNRVJIET
- Attended a 3 day workshop on Art of Teaching during 6<sup>th</sup> – 8<sup>th</sup> May 2012 at VNRVJIET
- A Two Weeks AICTE Sponsored Staff Development Program on “Recent trends in cloud computing & security” at VNRVJIET, Hyderabad. During the period 3<sup>th</sup> – 15<sup>th</sup> June 2013.
- A Two Weeks AICTE Sponsored Staff Development Program on “Recent trends in networking & security” at VNRVJIET, Hyderabad. During the period 13<sup>th</sup> – 26<sup>th</sup> June 2011.
- Attended 2 days workshop on “Program Design with Map code” conducted by VNRVJIET from 27-05-2013 to 29-05-2013.
- Attended 2 day training program on microteaching on 20-04-2009 & 21-04-2009 at VNRVJIET
- Attended 3 Days workshop on “Network Management Systems” conducted by VNRVJIET from 27-01-2011 to 29-01-2011.

## **5. Academic Contribution and Research & Consultancy:app**

**5.1. Invited Lectures: 5**

**5.2. Articles/Chapters published in Books: 01**

**5.3. Books published as single author or as editor: nil**

**5.4. Projects Guided:**

a) UG: 12

b) PG: 4

**5.5. Research Interests: Data Mining, Cloud Computing and Information Retrieval Systems.**

**5.6. Ph.D students:**

a) Enrolled: nil

b) Submitted: nil

c) Awarded: nil

### 5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ Internation al
1	Hybrid Algorithm for Privacy Preserving Association Rule Mining	International Journal of Computer Science 6 (12): 1494-1498, 2010	ISSN 1549-3636 © 2010 Science Publications	---	International
2	An Innovative Imputation and Classification Approach for Accurate Disease Prediction	Special issue on "Computing Applications and Data Mining" International Journal of Computer Science and Information Security (IJCSIS), Vol. 14 S1, February 2016	ISSN 1947-5500	ISI, Web of Science	International
3	A Novel Approach for Imputation of Missing Attribute Values for Efficient Mining of Medical Datasets – Class Based Cluster Approach	Re Revista Tecnica De La Facultad De Ingenieria Universidad Del Zulia (Technical Journal of the Faculty of Engineering, TJFE)	Vol. 39, No: 2, 184 - 195, 2016	SCI, Scopus, ISI, WoS Scopus Impact Factor – 0.118 Thomson-Reuters Impact Factor –0.033	International
4	a class based clustering approach for imputation and mining of medical records (cbc-im)	IADIS International Journal on Computer Science and Information Systems	Vol. 12, No. 1, pp. 61-74 ISSN: 1646-3692	ISI, Web of Science	International
5	Hybrid Algorithm for Privacy Preserving Association Rule Mining	Journal of Computer Science Volume 6 No. 12, 2010, 1494-1498	ISSN: 1549-3636	Scopus	International

6	A Deep Learning Technique for Automatic Classification of HSI Land Use and Land Cover images	AMA-Agricultural Mechanization In Asia Africa And Latin America, Volume 51,Pages: 1645-1652, Issue 03, August, 2021	ISSN: 00845841	Web of Science and Scopus	International
7	A systematic literature survey on breast cancer and advancements in its detection using Machine learning	Paideuma Journal, Vol XIV, Pages:1-10,Issue 9 2021	ISSN NO : 0090-5674	Web of Science and Scopus	International
8	A Rapid analysis of the Covid 19 using AI using Chest X-Ray	Design Engineering, Issue: 8 Pages: 7010-7019, Year 2021 Impact Score: 1.41, SCImago Journal Rank (SJR): 0.1	ISSN: 0011-9342	Web of Science and Scopus	International
9	A Deep learning Technique for Classification of Breast cancer Disease	International Journal of Engineering and Advanced Technology (IJEAT), Volume-11 Issue-1,Pages:9 -14, October 2021	ISSN: 2249-8958	Web of Science,SCI	International
10	Literature Review on Covid-19 Disease Prediction and Analysis of Active Cases in India	The International journal of analytical and experimental modal analysis Vol-13 Issue: XI Pages: 1381-1388,Nov 2021	ISSN: 0886-9367	Scopus	International
11	Mining Regular High Utility Itemsets Using Efficient Pruning Techniques From Incremental Databases	Agricultural Mechanization in Asia, Vol:52 Issue-01 Pages 2097-2111,Oct 2021	ISSN: 0084-5841	Web of Science,SCI	International

### 5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	A Novel Approach for Imputation of Missing Values for Mining Medical Datasets.	IEEE Conference IEEE ICCIC-2015	National	Dec 10 <sup>th</sup> to 12 <sup>th</sup> 2015
2	Imputation of Missing Values for Mining Medical Datasets.	Doctoral Conference(DocCon- 2016	National	March 3 <sup>rd</sup> 2016
3	An Innovative Imputation and Classification Approach for Accurate Disease Prediction	ACM Conference Second ICTCS-2016	National	March 5 <sup>th</sup> 2016
4	An efficient disease prediction and classification using feature reduction based imputation technique	2016 International Conference on Engineering & MIS (ICEMIS)	International	2016
5	An approach for imputation of medical records using novel similarity measure	Advances in Intelligent Systems and Computing(Springer), 2017, 576, pp. 221– 230	International	2017
6	Predictive and Behavioral Analytics for Big Data Architecture	3 <sup>rd</sup> Innovative Product Design and Intelligent Manufacturing Systems(PPDIMS),NI T,Rourkela	National	2021
7	Mushroom Classification Using Machine Learning Techniques	3 <sup>rd</sup> Innovative Product Design and Intelligent Manufacturing Systems(PPDIMS),NI T,Rourkela	National	2021

### 5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing Complete d
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1	Fuzzy KNN Approach for Cardiovascular Disease prediction	DST	2016-17	15LAC	Applied
2	Two Weeks Faculty Development Program on Machine Learning, Deep Learning	DST(SEREB)	2019-20	8.6 LAC	Applied
3	Disease Prediction by Machine Learning Approaches over Big Data from Healthcare Sector	JNTUH,TEQIP-III	2016-17	2.95 LAC	Applied

#### 5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing Completed
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#### 6. Awards / Honors received:

S.No.	Details (Mention year, value etc. wherever)	Organization
1	Qualified in FET(Faculty Eligibility Test) in 2012 Conducted by JNTUH, Hyderabad	JNTU, Hyderabad
2	Appointed as Selection Committee Member from JNTUH for Faculty Ratification in 2015.	JNTU, Hyderabad
3	Published most cited article in International Journal on Computers and Electrical Engineering 2018	Indexed in SCOPUS, Web of Science,SCI
4	Received Academic Excellence Certificate from VNRVJIET in 2010,2013(100 percent pass percentage)	VNRVJIET,Hyderabad
5	PhD Award received in 2021,Jan	JNTU,Hyderabad

**7. Motto:** Success is not final, failure is not fatal: it is the courage to continue that counts.

